

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13356

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/24 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 044 468 A (OSMOND ROGER F) 28 March 2000 (2000-03-28) column 2, line 66 - column 3, line 56 -----	1-28
A	EP 0 645 912 A (IBM) 29 March 1995 (1995-03-29) column 2, line 17 - line 57 -----	1-28
A	EP 0 935 365 A (CIT ALCATEL) 11 August 1999 (1999-08-11) paragraph '0019! - paragraph '0021! -----	1-28

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

28 July 2004

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04/08/2004

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Information on patent family members

International Application No

PCT/EP 03/13356

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
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EP 0645912	A 29-03-1995	US	5440633 A		08-08-1995
		EP	0645912 A2		29-03-1995
		JP	2610107 B2		14-05-1997
		JP	7087116 A		31-03-1995
		US	5524052 A		04-06-1996
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